

Title (en)

METHOD AND ARRANGEMENT FOR CALIBRATING TRANSMIT PATHS OF AN ANTENNA ARRAY

Title (de)

VERFAHREN UND ANORDNUNG ZUR KALIBRIERUNG VON SENDEPFADEN EINES ANTENNENSYSTEMS

Title (fr)

PROCÉDÉ ET DISPOSITIF POUR ÉTALONNER LES VOIES D'ÉMISSION D'UN RÉSEAU D'ANTENNES

Publication

EP 2041897 B1 20111130 (DE)

Application

EP 06807480 A 20061023

Priority

- EP 2006067673 W 20061023
- EP 05025922 A 20051128
- EP 06807480 A 20061023

Abstract (en)

[origin: EP1791277A1] The method involves converting a carrier frequency transmitting signal uncoupled from pro-data into a digital base-band receiving signal over a transmission path (SP1). A receiving signal is correlated with the transmitting signal for determining an amplitude ratio corresponding to a reference transmitting path, phase difference and delay difference for the path. The delay difference is used for adjusting a delay unit attached to the path for calibration, and the ratio and the phase difference are used for adjusting of multipliers (M1-M8) attached to the path for calibration. An independent claim is also included for an arrangement for calibration of a transmission path.

IPC 8 full level

H04B 17/00 (2006.01); **H01Q 3/26** (2006.01)

CPC (source: EP)

H01Q 3/267 (2013.01); **H04B 17/101** (2015.01); **H04B 17/12** (2015.01)

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)

EP 1791277 A1 20070530; AT E536011 T1 20111215; EP 2041897 A1 20090401; EP 2041897 B1 20111130; WO 2007060069 A1 20070531

DOCDB simple family (application)

EP 05025922 A 20051128; AT 06807480 T 20061023; EP 06807480 A 20061023; EP 2006067673 W 20061023